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Drummond et al.

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[54] **METHOD OF IMPROVEMENT STRENGTH
OF PAPERS**
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[57] **ABSTRACT**
Novel polymers are provided having phosphonated and sulphonated substituent groups such that the polymer is multifunctional in its use. Optional amide substituent are used to reduce electrostatic charge density or for hydrogen bonding. An advantage of the polymer is the flexibility of using it for multiple purposes. A particular application is for bonding paper fillers and paper fiber together.

4 Claims, No Drawings